

> d libb abs ind 14 1-2

L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:38350 HCAPLUS Full-text

DOCUMENT NUMBER: 144:288866

TITLE: Topical anhydrous delivery systems for

antioxidants

Chaudhuri, Ratan, Linz, Philip

Merck Patent G.m.b.H., Germany

SOURCE: U.S. Pat. Appl. Publ., 10 pp., Cont.-in-part of U.S. Ser. No. 616,494. CODEN: USXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006057169	A1	20060316	US 2005-534034	20050506
WO 2004076699	A1	20040422	US 2003-016194	20030710
WO 2004041234	A1	20040521	WO 2003-EPI11846	20031024
W: AE, AG, AL, AM, AT, AU, A2, EA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, IK, IR, LS, LT, LU, LV, MA, MD, MG, MN, MW, MX, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, US, UZ, UC, VN, YU, 2A, 2M, 2N, RG: GH, GM, KE, LS, MW, SD, SL, S2, TZ, UG, 2M, 2N, AM, AZ, BY, KG, KZ, MD, RU, TU, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IS, IT, JU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CT, CM, GA, GN, GO, GW, ML, MR, NS, SN, TD, TG PRIORITY APPLN. INFO.: US 2002-395612P P 20020715 US 2002-424316P P 20021107 US 2003-016194 A2 20030710 WO 2003-EPI11846 W 20031024	IT	Answer 2 of 2 HCAPLUS COPYRIGHT 2006 ACS on STN	2004:31593 HCAPLUS Full-text	
AB	This invention relates to an anhydrous composition comprising an antioxidant comprising over 40% by weight of hydrolysol可 tannins having mol. weight of <1000 and a substantially anhydrous or non-aqueous liquid vehicle functioning to disperse the antioxidant. The composition is suitable as a cosmetic composition and/or therapeutic and/or prophylactic composition and/or anhydrous delivery system of cosmetic and/or pharmaceutical ingredients. The invention further relates to processes for producing such compns. Thus, a sunscreen formulation contained Biron LF-2000 3.00, Dow Corning-345 36.00, and Dow Corning-9040 37.00%, in addition to the usual sunscreen components.	IT	DOCUMENT NUMBER: 140:344524	DOCUMENT NUMBER: 140:344524
INCL 4/4 40/000	CC 62-4 (Essential Oils and Cosmetics)	IT	TITLE: Topical anhydrous delivery systems for	TITLE: Topical anhydrous delivery systems for
Section cross-reference (s1): 63	IT	antioxidants	antioxidants	antioxidants
IT	Polysiloxanes, biological studies	IT	Polysiloxanes, biological studies	IT
IT	Alcohols, biological studies	IT	Alcohols, biological studies	IT
IT	Topical anhydrous delivery systems for antioxidants	IT	Topical anhydrous delivery systems for antioxidants	IT
RL: COS (Cosmetic use); THU (Biological study); BIOL (Biological study); USES (Uses)	RL: COS (Cosmetic use); THU (Biological study); BIOL (Biological study); USES (Uses)	RL: COS (Cosmetic use); THU (Biological study); BIOL (Biological study); USES (Uses)	RL: COS (Cosmetic use); THU (Biological study); BIOL (Biological study); USES (Uses)	RL: COS (Cosmetic use); THU (Biological study); BIOL (Biological study); USES (Uses)
IT	Antioxidants	IT	Antioxidants	IT
IT	Antiperspirants	IT	Antiperspirants	IT
IT	Cosmetics	IT	Cosmetics	IT
IT	Skin	IT	Skin	IT
IT	Sunscreens	IT	Sunscreens	IT
IT	(topical anhydrous delivery systems for antioxidants)	IT	(topical anhydrous delivery systems for antioxidants)	IT
IT	Gelation agents	IT	Gelation agents	IT
IT	Phylanthus emblica	IT	Phylanthus emblica	IT
IT	Skin	IT	Skin	IT
IT	Sunscreens	IT	Sunscreens	IT
IT	(topical anhydrous delivery systems for antioxidants)	IT	(topical anhydrous delivery systems for antioxidants)	IT
IT	Esters, biological studies	IT	Esters, biological studies	IT
IT	Glycerides, biological studies	IT	Glycerides, biological studies	IT
IT	Glycols, biological studies	IT	Glycols, biological studies	IT
IT	Paraffin oils	IT	Paraffin oils	IT
IT	Polymers, biological studies	IT	Polymers, biological studies	IT
IT	Polyoxyalkylenes, biological studies	IT	Polyoxyalkylenes, biological studies	IT
IT	Polyisobutene, biological studies	IT	Polyisobutene, biological studies	IT
IT	Silicone rubber, biological studies	IT	Silicone rubber, biological studies	IT
IT	Tannins	IT	Tannins	IT
IT	RL: COS (Cosmetic use); THU (Biological study); BIOL (Biological study); USES (Uses)	IT	RL: COS (Cosmetic use); THU (Biological study); BIOL (Biological study); USES (Uses)	IT
IT	(topical anhydrous delivery systems for antioxidants)	IT	(topical anhydrous delivery systems for antioxidants)	IT
IT	Drug delivery systems	IT	Drug delivery systems	IT
IT	(topical, topical anhydrous delivery systems for antioxidants)	IT	(topical, topical anhydrous delivery systems for antioxidants)	IT
IT	541-02-6 7045-42-3, Pedunculagin 7787-59-9, Biron LF-2000 9002-88-4, Polyisobutene 9006-65-9, Dimethicone 25322-68-3, Polyethylene glycol 103488-38-6, Punigluconin 180465-44-5 180465-45-6, Emblicanin B 199944-41-7, Gansil GCM 34781-69-7, Dow Corning 9040 RL: COS (Cosmetic use); THU (Biological study); USES (Uses)	IT	541-02-6 7045-42-3, Pedunculagin 7787-59-9, Biron LF-2000 9002-88-4, Polyisobutene 9006-65-9, Dimethicone 25322-68-3, Polyethylene glycol 103488-38-6, Punigluconin 180465-44-5 180465-45-6, Emblicanin B 199944-41-7, Gansil GCM 34781-69-7, Dow Corning 9040 RL: COS (Cosmetic use); THU (Biological study); USES (Uses)	IT
IT	(topical anhydrous delivery systems for antioxidants)	IT	(topical anhydrous delivery systems for antioxidants)	IT
IT	antioxidant and anhydrous or non-aqueous liquid vehicle	IT	antioxidant and anhydrous or non-aqueous liquid vehicle	IT
IT	Chaudhuri, Ratan K.; Linz, Philip	IT	Chaudhuri, Ratan K.; Linz, Philip	IT
IT	USA	IT	USA	IT
IT	Patent	IT	Patent	IT
IT	CODEN: USXCO	IT	CODEN: USXCO	IT
IT	English	IT	English	IT
IT	DOCUMENT TYPE: Patent	IT	DOCUMENT TYPE: Patent	IT
IT	LANGUAGE: English	IT	LANGUAGE: English	IT
IT	FAMILY ACC. NUM. COUNT: 4	IT	FAMILY ACC. NUM. COUNT: 4	IT
IT	PATENT INFORMATION:	IT	PATENT INFORMATION:	IT
IT	PATENT NO. ---	IT	PATENT NO. ---	IT
IT	KIND ---	IT	KIND ---	IT
IT	DATE ---	IT	DATE ---	IT
IT	APPLICATION NO. ---	IT	APPLICATION NO. ---	IT

IT Glycols, biological studies

RL: COS (Cosmetic use); THU (Biological study); BIOL (Biological study); USES (Uses)

IT Alcohols, biological studies

IT Topical anhydrous delivery systems for antioxidants

IT (fatty, topical anhydrous delivery systems for antioxidants)

IT Antiperspirants

IT Cosmetics

IT Skin

IT Sunscreens

(topical anhydrous delivery systems for antioxidants)

IT Gelation agents

IT Phylanthus emblica

IT Skin

IT Sunscreens

(topical anhydrous delivery systems for antioxidants)

IT Esters, biological studies

IT Glycerides, biological studies

IT Glycols, biological studies

IT Paraffin oils

IT Polymers, biological studies

IT Polyoxyalkylenes, biological studies

IT Polyisobutene, biological studies

IT Silicone rubber, biological studies

IT Tannins

IT RL: COS (Cosmetic use); THU (Biological study); BIOL (Biological study); USES (Uses)

IT (topical anhydrous delivery systems for antioxidants)

IT Drug delivery systems

(topical, topical anhydrous delivery systems for antioxidants)

541-02-6 7045-42-3, Pedunculagin 7787-59-9, Biron LF-2000 9002-88-4, Polyisobutene 9006-65-9, Dimethicone 25322-68-3, Polyethylene glycol 103488-38-6, Punigluconin 180465-44-5 180465-45-6, Emblicanin B 199944-41-7, Gansil GCM 34781-69-7, Dow Corning 9040 RL: COS (Cosmetic use); THU (Biological study); USES (Uses)

(topical anhydrous delivery systems for antioxidants)

antioxidant and anhydrous or non-aqueous liquid vehicle

Chaudo

USA

Patent

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Patent information:

SEARCH IN CAPLUS AND USPATFULL

=> d que stat 130
 L6 4 SEA FILE=REGISTRY ABB=ON (EMBLICANIN A OR EMBLICANIN B OR
 PEDUNCULAGIN OR PUNIGLUCONIN) /CN
 L7 1 SEA FILE=REGISTRY ABB=ON RUTIN/CN
 L8 6 SEA FILE=REGISTRY ABB=ON SILICONE FLUID?/CN
 L9 0 SEA FILE=REGISTRY ABB=ON ORGANIC ESTER?/CN
 L12 211 SEA FILE=HCAPIUS ABB=ON 16 OR (EMBLICANIN) (W) (A OR B) OR
 PEDUNCULAGIN OR PUNIGLUCONIN
 L13 10 SEA FILE=HCAPIUS ABB=ON 112 AND (L7 OR ?RUTIN?)
 L14 1 SEA FILE=HCAPIUS ABB=ON 113 AND (?ANHYDR? OR NON? (W) ?AQUEOUS?)
 L15 2 SEA FILE=HCAPIUS ABB=ON 112 AND (L8 OR ?SILICONE? (W) ?FLUID?
 OR L9 OR ?ORGANIC? (W) ?ESTER? OR ?GLYCOL?)
 L16 11 SEA FILE=HCAPIUS ABB=ON L13 OR L14 OR L15
 L19 9 SEA FILE=HCAPIUS ABB=ON 116 AND (PDR<20030710 OR PD<20030710)
 L22 25 SEA FILE=USPATFULL ABB=ON L6 OR (EMBLICANIN) (W) (A OR B) OR
 PEDUNCULAGIN OR PUNIGLUCONIN
 L23 18 SEA FILE=USPATFULL ABB=ON L22 AND (L7 OR ?RUTIN?)
 L24 6 SEA FILE=USPATFULL ABB=ON L23 AND (?ANHYDR? OR NON? (W) ?AQUEOUS
 ?)
 L25 2 SEA FILE=USPATFULL ABB=ON 123 AND (L8 OR ?SILICONE? (W) ?FLUID?
 OR L9 OR ?ORGANIC? (W) ?ESTER?)
 L26 18 SEA FILE=USPATFULL ABB=ON L23 OR L24 OR L25
 L27 14 SEA FILE=USPATFULL ABB=ON L26 AND 018
 L28 18 SEA FILE=USPATFULL ABB=ON L26 OR L27
 L29 12 SEA FILE=USPATFULL ABB=ON L28 AND (PDR<20030710 OR PD<20030710
)
 L30 18 DUP REMOVE L19 L29 (3 DUPLICATES REMOVED)

> d bibb abs 130 1-18

L30 ANSWER 1 OF 18 HCAPIUS COPYRIGHT 2006 ACS ON STN DUPLICATE 1
 ACCESSION NUMBER: 2006:238350 HCAPIUS Full-text
 DOCUMENT NUMBER: 144:2388666

TITLE: Topical anhydrous delivery systems for antioxidants
 INVENTOR(S): Chaudhuri, Ratan, Linz, Philip
 PATENT ASSIGNEE(S): Meck Patent G.m.b.H., Germany
 SOURCE: U.S. Pat. Appl. Publ., 10 pp., Cont.-in-part of U.S.
 Ser. No. 616,494
 CODEN: USXKC0
 Patent
 English

DOCUMENT TYPE:

LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006057169	A1	20060316	US 2005-534034	20050506
US 2004016699	A1	20040422	US 2003-16494	20030710
WO 200401234	A1	20040211	WO 2003-EP11846	20031024

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BR, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NJ, NO, NZ, OM,

PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,

TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, 2M, 2W

RW: GH, GM, KE, LS, MN, MZ, SD, SI, SZ, TZ, UG, 2M, ZW, AM, NZ, BY,
 KG, KZ, MD, RU, TJ, TM, BG, CH, CY, DE, DK, EE, ES, SI, SK, TR,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, TG,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, NR, NE, SN, TD,
 P 20020715 <--
 US 2002-395612P P 20021107 <--
 US 2003-616494 A2 20030710
 W 2003-EP11846 W 20031024

AB: This invention relates to an anhydrous composition comprising an antioxidant comprising over 40% by weight of hydrolyzable tannins having mol.-weight of <1000 and a substantially anhydrous or non-aqueous liquid vehicle functioning to disperse the antioxidant. The composition is suitable as a cosmetic composition and/or therapeutic and/or prophylactic composition and/or anhydrous delivery system of cosmetic and/or pharmaceutical ingredients. The invention further relates to processes for producing such compns. Thus, a sunscreen formulation contained Biron LF-2000 3.00, Dow Corning-345 36.00, and Dow Corning-8040 37.001, in addition to the usual sunscreen components.

L30 ANSWER 2 OF 18 USPATFULL on STN
 ACCESSION NUMBER: 2005:233021 USPATFULL Full-text
 TITLE: Use of compatible solutes for inhibiting the release of
 ceramides
 INVENTOR(S): Bunger, Joachim, Gross-Umstadt, GERMANY, FEDERAL
 REPUBLIC OF
 Krutmann, Jean, Waiberg, GERMANY, FEDERAL REPUBLIC OF
 NUMBER KIND DATE
 US 2005201955 A1 20050915
 US 2005-509368 A1 20051030
 WO 2005-EP2146 20040928 PCT 371 date
 NUMBER DATE
 PRIORITY INFORMATION: DE 2005-10214257 20050238
 DOCUMENT TYPE: Utility
 FILE SEGMENT:
 LEGAL REPRESENTATIVE: MILLIN, WHITE, ZELIANO & BRANIGAN, P.C., 2200 CLARENDON
 BLVD., SUITE 1400, ARLINGTON, VA, 22201, US
 NUMBER OF CLAIMS: 19
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 4
 LINE COUNT: 1212
 CAS INDEXING IS AVAILABLE FOR THIS PATENT:
 AB: The invention relates to the use of compatible solutes for inhibiting the release of ceramides or for the prophylaxis and protection of human skin against premature skin ageing and for the prophylaxis and protection of human skin against wrinkling.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L30 ANSWER 3 OF 18 USPATFULL on STN
 ACCESSION NUMBER: 2005:104656 USPATFULL Full-text
 TITLE: Skin-lightening composition
 INVENTOR(S): Chaudhuri, Ratan K., Lincoln Park, NJ, UNITED STATES
 Marchio, Francois, New York, NY, UNITED STATES

PATENT INFORMATION:
APPLICATION INFO.:
US 2003-501752
WO 2003-EP401

PRIORITY INFORMATION:
US 2003-089589
US 2003-349224P

DOCUMENT TYPE:
UTILITY
APPLICATION
FILE SEGMENT:
LEGAL REPRESENTATIVE:
MILLEN, WHITE, ZELANO & BRANGAN, P.C., 2200 CLARENDON
BLVD., SUITE 1400, ARLINGTON, VA, 22201, US
NUMBER OF CLAIMS:
32
EXEMPLARY CLAIM:
1
LINE COUNT:
670
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A light colored standardized extract of Emblica officinalis consisting essentially of over 40% by weight of Emblicanin A, Emblicanin B, Pedunculagin and Punigluconin, and not more than about 1% by weight of flavonoids, and methods of producing same. Also disclosed are cosmetic or pharmaceutical compositions comprising the standardized extract and methods of using same to lighten or whiten skin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 4 OF 18
USPATFULL ON STN
ACCESSION NUMBER:
2005-101058 USPATFULL Full-text
TITLE:
Effective method for regulating the appearance of skin
INVENTOR(S):
Chaudhuri, Ratan, Lincoln Park, NJ, UNITED STATES
PATENT ASSIGNEE(S):
EM Industries, Hawthorne, NY, UNITED STATES (U.S. corporation)

PATENT INFORMATION:
APPLICATION INFO.:
US 2005008590
US 2003-616299

PRIORITY INFORMATION:
US 2002-395612P

DOCUMENT TYPE:
UTILITY
APPLICATION
FILE SEGMENT:
LEGAL REPRESENTATIVE:
MILLEN, WHITE, ZELANO & BRANGAN, P.C., 2200 CLARENDON
BLVD., SUITE 1400, ARLINGTON, VA, 22201, US
NUMBER OF CLAIMS:
8
EXEMPLARY CLAIM:
1
LINE COUNT:
580
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for regulating the appearance of skin comprising topically applying to said skin a composition comprising a cosmetically or pharmaceutically acceptable carrier and about 0.1% to about 40% of an extract comprising low molecular weight hydrolysable tannins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PRIORITY INFORMATION:
US 2005-0428
US 2003-30116
(10)
NUMBER
DATE
US 2002-0411
20020118 (60)
<--
US 2003-30116
20030116
<--

INVENTOR(S):
PATENT ASSIGNEE(S):
SOURCE:
U.S. Pat. Appl. Publ., 10 pp.
DOCUMENT TYPE:
PATENT
LANGUAGE:
English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:
PATENT NO.:

US 2004076699
WO 200401234
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CR, CU, CS, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KR, KZ, LC, LK, LR, LS, LT, LU, IV, MB, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, RW: GH, GM, KE, IS, MW, MZ, SD, SL, TZ, UG, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TU, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BE, BJ, CF, CG, CI, CM, GA, GN, GO, GW, IM, MR, NE, SN, TD, TG, AU 20032-61180
AU 20040607
AU 2003-276180
EP 1558207
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK JP 2006511597
JP 2005-52100
US 2006057159
A1
20060316
US 2005-534034
US 2002-395612P
P 200201107
WO 2003-EP11846
W 20031024

AB The present invention relates to novel compns, including cosmetic compns, and/or therapeutic and/or prophylactic novel and/or pharmaceutical ingredients, and especially those including low mol.-weight hydrolysable tannins (<1,000) found in exts. of Phyllanthus emblica, and processes for producing such compns. Specifically the anhydrous composition comprises an antioxidant comprising over 40% by weight of hydrolysable tannins comprising Emblicanin A, Emblicanin B, Pectunculin and Punigluconin, and a substantially anhydrous or non-aqueous liquid vehicle functioning to disperse the antioxidant.

L30 ANSWER 6 OF 18
USPATFULL on STN
ACCESSION NUMBER:
2004-320679 USPATFULL Full-text
TITLE:
Method for regulating the appearance of skin containing combination of skin care actives
INVENTOR(S):
Chaudhuri, Ratan K., Lincoln Park, NJ, UNITED STATES
PATENT INFORMATION:
NUMBER
KIND
DATE
US 2004253332
A1
20041216

APPLICATION INFO.: US 2004-803160 A1 20040318 (10)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2002-120156, filed on 11 Apr 2002, GRANTED, Pat. No. US 6649150
Continuation-in-part of Ser. No. US 2003-616299, filed on 10 Jul 2003, PENDING

NUMBER DATE
US 2003-455396P 20030318 (60) <--
US 2002-395612P 20020715 (60) <--

PATENT INFORMATION: US 2003-455396P 20030318 (60) <--
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MILLEN, WHITE, ZELANO & BRANTGAN, P.C., 2200 CLARENDON BLVD., SUITE 1400, ARLINGTON, VA, 22201
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 5 Drawing Page(s) 1053
LINE COUNT: 1053
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method for regulating the appearance comprising topically applying to said skin a composition comprising: (a) a cosmetically or pharmaceutically acceptable carrier and about 0.05% to about 5% of an extract comprising a low molecular weight hydrolysable tannins, and mixtures thereof; (b) an effective amount of at least one additional skin care active ingredient selected from the group consisting of anti-acne actives, retinoids, anti-cellulite agents, antimicrobial actives, antifungal agents, vitamins, anti-inflammatory agents, tanning agents, allantoin, glucosamine, phytantriol, hydroxyacids, niacinamide, phytosterols, sunscreens and mixtures thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 7 OF 18 USPATFULL on STN 2004:239267 USPATFULL Full-text
ACCESSION NUMBER: 2004:239267 USPATFULL Full-text
TITLE: Cosmetic formulation comprising dihydroxyacetone
INVENTOR(S): Hitzel, Sabine, Flachsbachweg, GERMANY, FEDERAL
REPUBLIC OF
Driller, Hans-Jurgen, Santo-Tirso-Ring, GERMANY,
FEDERAL REPUBLIC OF

NUMBER KIND DATE
US 2004185072 A1 20040923
US 2004-485389 A1 2004130 (10)
WO 2002-EP7522 20020705

PATENT INFORMATION: DE 2001-10137260 20010731 <--
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MILLEN, WHITE, ZELANO & BRANTGAN, P.C., 2200 CLARENDON BLVD., SUITE 1400, ARLINGTON, VA, 22201
NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1
LINE COUNT: 725
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to cosmetic formulations containing dihydroxy-acetone and a topical support in addition to one or several compounds selected from

the compounds of formulae (Ia) and (Ib), the physiologically acceptable salts of compounds of formulae (Ia) and (Ib), and the stereoisomeric forms of formulae (Ia) and (Ib), wherein R.^{sup.1}, R.^{sup.2}, R.^{sup.3}, R.^{sup.4} and n have the meanings cited in Claim 1. The cosmetic formulations are characterized in that the UV-A protective effect of dihydroxyacetone is increased.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

PATENT INFORMATION: L30 ANSWER 8 OF 18 USPATFULL on STN 2004:164960 USPATFULL Full-text
ACCESSION NUMBER: Enriched aqueous components of emblica officinalis
TITLE: Inventor(s): Chaudhuri, Ratan K., Lincoln Park, NJ, UNITED STATES
PATENT ASSIGNEE(S): Puccetti, Germain, Ossining, NY, UNITED STATES
EM Industries, Hawthorne, NY (U.S. corporation)

NUMBER KIND DATE
US 2000126446 A1 20040701
US 2003064053 A2 20050324 (10)
US 2003-660742 A1 20030912
APPLICATION INFO.:

NUMBER DATE
US 2005-424712P 20021108 (60) <--
APPLICATION
LEGAL REPRESENTATIVE: MILLEN, WHITE, ZELANO & BRANTGAN, P.C., 2200 CLARENDON BLVD., SUITE 1400, ARLINGTON, VA, 22201
NUMBER OF CLAIMS: 35
EXEMPLARY CLAIM: 1
LINE COUNT: 676
AB In an extraction process comprising extracting a raw extract from Emblica officinalis the improvement comprising conducting the extraction under conditions of time, temperature and atmosphere, to inhibit the formation of black specks and/or polymeric tannins and/or oxidation products thereof.

PATENT INFORMATION: L30 ANSWER 9 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN 2003:99273 HCAPLUS Full-text
ACCESSION NUMBER: 140:26436
DOCUMENT NUMBER: Screening of the inhibitory effect of vegetable
TITLE: constituents on the aryl hydrocarbon receptor-mediated
activity induced by 2,3,7,8-tetrachlorodibenzo-p-dioxin
Amakura, Yoshiaki; Tsutsumi, Tomoaki; Sasaki, Kumiko;
Yoshida, Takashi; Maitani, Tamio
CORPORATE SOURCE: Division of Foods, National Institute of Health
Sciences, Tokyo, 158-8501, Japan
SOURCE: Biological & Pharmaceutical Bulletin (2003),
26(112), 1754-1760
CODEN: BPPLEO; ISSN: 0918-6158
PUBLISHER: Pharmaceutical Society of Japan
DOCUMENT TYPE: Journal
LANGUAGE: English

AB	<p>The aryl hydrocarbon receptor (AhR) is a ligand-activated nuclear transcription factor that mediates responses to environmental contaminants such as dioxins, which have many adverse health effects. We performed a preliminary screening of the inhibitory effects of vegetable constituents on 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)-induced activation of AhR using the AhR-based bioassay for dioxins, the Ah-Immunosay. Ninety vegetable constituents including flavonoids, tannins, saponins, terpenes, etc., were assayed in vitro. Among them, flavones, flavonols, anthraquinones, piperine, coumarin, brevifoloincarboxylic acid, and resveratrol showed marked inhibitory effects on AhR-based bioassay activation by TCDD, and their effects were dose dependent. Curcumin, curminol, and capsaicin also inhibited the activation of AhR in this assay, although to a lesser degree. These results suggest that several vegetable constituents might play a role in protection against dioxin toxicity.</p> <p>27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT</p>	<p>PATENT INFORMATION: US 6362167 B1 20020326 2000921 (9) APPLICATION INFO.: Continuation-in-part of Ser. No. US 1999-251917, filed on 17 Feb 1999, now patented, Pat. No. US 6124268 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2000-503839, filed on 15 Feb 2000, now patented, Pat. No. US 6235721</p> <p>DOCUMENT TYPE: Utility FILE SEGMENT: GRANTED</p> <p>PRIMARY EXAMINER: Krass, Frederick LEGAL REPRESENTATIVE: Katz, Walter NUMBER OF CLAIMS: 8 EXEMPLARY CLAIM: 1</p> <p>NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s) LINE COUNT: 356</p> <p>AB A method of blocking free radical processes in an animal which result in mediated pathology without deleterious pro-oxidant side reactions which comprises administering an extract of the fruit of the Emblica officinalis plant to effect such advantageous result, preferably in a use formulation at an active use level of 0.005 to 5% by weight of the formulation.</p>																				
L30	<p>ANSWER 10 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN ACCESSION NUMBER: 2003:502988 HCAPLUS Full-text DOCUMENT NUMBER: 140:1120</p>	<p>Activation of the aryl hydrocarbon receptor by some vegetable constituents determined using <i>in vitro</i> reporter gene assay</p> <p>Amakura, Yoshiaki; Tsutsumi, Tomoaki; Nakamura, Masafumi; Kitagawa, Hiroko; Fujino, Junko; Sasaki, Kumiko; Toyoda, Masatake; Yoshida, Takashi; Maitani, Taniao Division of Foods, National Institute of Health Sciences, Tokyo, 158-8501, Japan Biological & Pharmaceutical Bulletin (2003), 26(4), 532-539 CODEN: BPLBEO; ISSN: 0918-6158 Pharmaceutical Society of Japan Journal</p>																				
REFERENCE COUNT:	27	<p>LANGUAGE: English</p> <p>AB The aryl hydrocarbon receptor (AhR) is a ligand-activated transcription factor that mediates the biological action of many aromatic environmental pollutants. In this study, we investigated the activation of the AhR by some vegetable constituents using the AhR-based bioassay for dioxins, i.e., the chemical activated luciferase gene expression (CALUX) assay. Ninety-five vegetable constituents, including flavonoids, tannins, saponins, and terpenes, were tested <i>in vitro</i>. Among them, isoflavones such as daidzein, resveratrol having a stilbene structure, and some flavonoids such as naringenin, hesperetin, and baicalin showed AhR activation.</p> <p>41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT</p>																				
L30	<p>ANSWER 11 OF 18 USPATFULL on STN ACCESSION NUMBER: 2002:63889 USPATFULL Full-text TITLE: Method of blocking free radical processes which result in mediated pathology without deleterious pro-oxidant side reactions</p>	<p>INVENTOR(S): Ghosal, Shubhna, Varanasi, INDIA PATENT ASSIGNEE(S): Natron Inc., New Brunswick, NJ, United States (U.S. corporation) Indian Herbs Research & Supply Company Ltd., Sharampur, INDIA (non-U.S. corporation)</p>																				
REFERENCE COUNT:	41	<p>NUMBER ----- KIND ----- DATE -----</p>																				
L30	<p>ANSWER 11 OF 18 USPATFULL on STN ACCESSION NUMBER: 2002:63889 USPATFULL Full-text TITLE: Method of blocking free radical processes which result in mediated pathology without deleterious pro-oxidant side reactions</p>	<p>PATENT INFORMATION:</p> <table border="1"> <tr> <td>PATENT NO. -----</td> <td>KIND -----</td> <td>DATE -----</td> <td>APPLICATION NO. -----</td> <td>DATE -----</td> </tr> <tr> <td>US 6235721</td> <td>B1</td> <td>20010322</td> <td>US 2000-503899</td> <td>20000215 <--</td> </tr> <tr> <td>US 6124268</td> <td>A</td> <td>20000526</td> <td>US 1999-251917</td> <td>19990217 <--</td> </tr> <tr> <td>CA 2362346</td> <td>AA</td> <td>20000824</td> <td>CA 2000-2362346</td> <td>20000216 <--</td> </tr> </table>	PATENT NO. -----	KIND -----	DATE -----	APPLICATION NO. -----	DATE -----	US 6235721	B1	20010322	US 2000-503899	20000215 <--	US 6124268	A	20000526	US 1999-251917	19990217 <--	CA 2362346	AA	20000824	CA 2000-2362346	20000216 <--
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US 6124268	A	20000526	US 1999-251917	19990217 <--																		
CA 2362346	AA	20000824	CA 2000-2362346	20000216 <--																		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

WO 200000824 A1 200000824 WO 2000-0824 20000216 <--

W: AE, AL, AM, AT, AU, AZ, BY, BA, BB, BG, BR, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LC, IK, IR, LS, LT, LU, IV, MA, MD, MG, MK, MN, MN, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW
RW: GH, GM, KE, IS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BJ, CF, CG, CI, CM, GA, GN, GM, ML, MR, NE, SN, TD, TG
AU 2000029994 A5 20000094 AU 2000-29994 20000216 <-- EP 1156770 A1 20011128 EP 2000-508698 20000216 <--

PRIORITY APPLN. INFO.:

US 6290996 B1 20010918 US 2000-667042 20000216 <--
US 6362167 B1 20020326 US 2000-667043 20000216 <--
US 1999-251917 A2 19990217 <--
US 1999-503899 A 20000215 <--
WO 2000-US4043 W 20000216 <--

AB A natural antioxidant blend in the form of an amorphous powder was obtained by extraction from Emblica officinalis fruit. In this process, the finely pulped fruit was treated with a dilute aqueous salt solution at hot water temperature to provide an extract-containing solution, which was filtered and dried to provide the desired antioxidant blend powder. A synergistically stabilized composition of ascorbic acid or its derivs. with the antioxidant composition of E. officinalis, is also described. Cosmetic, pharmaceutical and nutritional use formulations also are described.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 14 OF 18 USPATFULL ON STN

ACCESSION NUMBER: 2001:151832 USPATFULL Full-text

TITLE: Method of inhibiting blood platelet aggregation

INVENTOR(S): Ghosal, Shubnath, Varanasi, India

PATENT ASSIGNEE(S): Natreon Inc., New Brunswick, NJ, United States (U.S. corporation)

Indian Herbs Research & Supply Company LTD, Saharanpur, India (non-U.S. corporation)

NUMBER

FILE SEQUENCE:

PRIMARY EXAMINER:

LEGAL REPRESENTATIVE:

EXEMPLARY CLAIM:

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LEGAL REPRESENTATIVE:

EXEMPLARY CLAIM:

PATENT INFORMATION:

APPLICATION INFO.:

PATENT INFORMATION:
PATENT NUMBER: US 6124168
APPLICATION INFO.: US 1999-251917
DOCUMENT TYPE: Utility Patent
FILE SEGMENT: Granted
PRIMARY EXAMINER: Krass, Frederick
LEGAL REPRESENTATIVE: Katz, Walter
NUMBER OF CLAIMS: 13
EXEMPLARY CLAIM: 1
LINE COUNT: 663

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A natural antioxidant blend in the form of an amorphous powder was obtained by extraction from *Emblica officinalis* fruit. In this process, the finely pulped fruit was treated with a dilute aqueous salt solution at hot water temperature to provide an extract-containing solution, which was filtered and dried to provide the desired antioxidant blend powder. Cosmetic, pharmaceutical and nutritional use formulations thereof also are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 12 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1998:454361 HCAPLUS Full-Text
DOCUMENT NUMBER: 129:197563
TITLE: Study on the inhibitory effect of tannins and flavonoids against the 1,1-diphenyl-2-picrylhydrazyl radical
AUTHOR (S): Yokozawa, Takako; Chen, Cui Ping; Dong, Erbo; Tanaka, Takashi; Nonaka, Gen-Ichiro; Nishioka, Itsuo
CORPORATE SOURCE: Research Institute for Wakao-Yaku, Toyama Medical and Pharmaceutical University, Toyama, 930-0194, Japan
SOURCE: Biochemical Pharmacology (1998), 56(2), 213-222
CODEN: BCPDN6; ISSN: 0006-2952
PUBLISHER: Elsevier Science Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Fifty-one tannins and forty-one flavonoids isolated from Oriental medicinal herbs were evaluated for their antioxidant ability with a 1,1-diphenyl-2-picrylhydrazyl (DPPH) radical-generating system. The results showed that tannins and certain flavonoids are potential free-radical scavengers, and that their activity against the DPPH radical is closely associated with their chemical structure. A comparison of the two classes of compounds showed that tannins have more potential than flavonoids because almost all the tannins demonstrated significant scavenging action within a low concentration range, whereas the activity of flavonoids varied distinctively among the different compounds. An increase of galloyl groups, mol. weight, and ortho-hydroxyyl structure enhanced the activity of tannins, whereas the number and position of hydroxyl groups were important features for the scavenging of free radicals by flavonoids. Moreover, it appeared that when the free hydroxyl group was methoxylated or glycosylated, the inhibitory activity was obviously decreased or even abolished.

REFERENCE COUNT: 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 18 OF 18 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1996:197464 HCAPLUS Full-Text
DOCUMENT NUMBER: 124:255757

SEARCH IN MEDLINE, BIOSIS, EMBASE, JAPIO, JICST

"> d que stat l21
 L6 4 SEA FILE=REGISTRY ABB=ON (EMBLICANIN A OR EMBLICANIN B OR
 PEDUNCULAGIN OR PUNIGLUCONIN) /CN
 L7 1 SEA FILE=REGISTRY ABB=ON RUTIN /CN
 L8 6 SEA FILE=REGISTRY ABB=ON SILICONE FLUID? /CN
 L9 0 SEA FILE=REGISTRY ABB=ON ORGANIC ESTER? /CN
 L12 211 SEA FILE=HCAPLIS ABB=ON 16 OR (EMBLICANIN) (W) (A OR B) OR
 PEDUNCULAGIN OR PUNIGLUCONIN
 L13 10 SEA FILE=HCAPLIS ABB=ON L12 AND (L7 OR ?RUTIN?)
 L14 1 SEA FILE=HCAPLIS ABB=ON L13 AND (?ANHYDR? OR NON? (W) ?AQUEOUS?)
 L15 2 SEA FILE=HCAPLIS ABB=ON L12 OR (L8 OR ?ORGANIC? (W) ?ESTER? OR ?GLYCOL?)
 OR L9 OR ?ORGANIC? (W) ?ESTER? OR ?GLYCOL?)
 L16 11 SEA FILE=HCAPLIS ABB=ON L13 OR L14 OR L15
 L20 2 SEA L16
 L21 2 DUP REMOVE L20 (0 DUPLICATES REMOVED)

>> d ibib abs l21 1-2

L21 ANSWER 1 OF 2 EMBASE COPYRIGHT (C) 2006 Elsevier B.V. All rights
 reserved on STN
 ACCESSION NUMBER: 2005209372 EMBASE Full-text
 TITLE: Oxidized ellagitannins in medicinal plants and their
 biological activities.
 AUTHOR: Ito H.
 CORPORATE SOURCE: H. Ito, Grad. Sch. of Nat. Sci. and Technol., Okayama
 University, Tsurushima, Okayama 700-8530, Japan
 SOURCE: Natural Medicines, (2005) Vol. 59, No. 2, pp. 57-62. .
 Refs: 21
 ISSN: 1340-3443 CODEN: NMEDEO

COUNTRY: Japan
 DOCUMENT TYPE: General Review
 FILE SEGMENT: 006 Internal Medicine
 037 Drug Literature Index
 Japanese
 English
 SUMMARY LANGUAGE: English
 ENTRY DATE: Entered STN: 26 May 2005
 Last Updated on STN: 26 May 2005

AB Geraniin and related dehydrodellagitanins having a reactive
 dehydrohexahydroxydiphenyl (DHHD) group in the molecule have been widely
 found in the euphorbiaceous and geraniaceous plants. Further investigation on
 the polyphenols in *Phyllanthus flexuoso*, *Acalypha hispida* and *Geranium*
 thunbergii belonging to each family resulted in the isolation of eleven new
 analogues of geraniin and the characterization of their complex structures
 possessing a new highly oxidized acyl unit produced from the DHHD group. New
 highly oxidized ellagitannins of other types, i.e., those having a glucuronic
 acid core and C-glucosidic ellagitannin oligomers were also found in
Elaeagnaceae and *Fagaceae*. Diverse biological properties including anti-ulcer
 and anti-tumor promoting effects, and antibacterial activity against
Helicobacter pylori and antifungal activity were also exhibited by those
 highly oxidized ellagitannins.

L21 ANSWER 2 OF 2 EMBASE COPYRIGHT (C) 2006 Elsevier B.V. All rights
 reserved on STN
 ACCESSION NUMBER: 2004177277 EMBASE Full-text
 TITLE: Antibacterial Activity of Hydrolyzable Tannins Derived from
 Medicinal Plants against Helicobacter pylori.

AUTHOR:

T.; Ito H.; Hirai Y.

Dr. S. Hayashi, Division of Bacteriology, Department of
 Infection and Immunity, Jichi Medical School, 3311-1
 Yakushiji, Minamikawachi, Tochigi 329-0498, Japan.

shunhaya@jichi.ac.jp

Microbiology and Immunology, (2004) Vol. 48, No. 4, pp.

251-261. .

Ref: 56

ISSN: 0385-5600 CODEN: MIIMDV

SOURCE: Japan

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 004 Microbiology

030 Pharmacology

037 Drug Literature Index

LANGUAGE: English

SUMMARY LANGUAGE: English

ENTRY DATE: Entered STN: 13 May 2004

Last Updated on STN: 13 May 2004

AB *Helicobacter pylori* is a major etiological agent in gastroduodenal disorders. In this study, we isolated 36 polyphenols and 4 terpenoids from medicinal plants, and investigated their antibacterial activity against *H. pylori* *in vitro*. All hydrolyzable tannins tested demonstrated promising antibacterial activity against *H. pylori*. Monomeric hydrolyzable tannins revealed especially strong activity. Other compounds demonstrated minimal antibacterial activity with a few exceptions. A monomeric hydrolyzable tannin, Tellimagrandin I demonstrated time- and dose-dependent bactericidal activity against *H. pylori* *in vitro*. On the other hand, hydrolyzable tannins did not affect the viability of MKN-28 cells derived from human gastric epithelium. Hydrolyzable tannins, therefore, have potential as new and safe therapeutic regimens against *H. pylori* infection. Furthermore, we investigated effects of hydrolyzable tannins on lipid bilayer membranes. All the hydrolyzable tannins tested demonstrated dose-dependent membrane-damaging activity. However, it remains to be elucidated whether their membrane-damaging activity directly contributes to their antibacterial action.